

ABSTRACT OF THE DISCLOSURE

An aqueous coating composition having improved adhesion to friable surfaces including an emulsion polymer of certain compositions and certain acid numbers having a glass transition temperature of -20°C to 100°C and an average particle diameter less than 120 nanometers, and certain water-soluble ethoxylates is provided. In addition, a method for improving adhesion to friable surfaces by using the aqueous coating compositions of the invention is provided.

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1. A method for improving adhesion to friable surfaces by using an aqueous coating composition of the invention, the method comprising the steps of:

(a) providing an aqueous coating composition of the invention;

(b) applying the aqueous coating composition to the friable surface;

(c) drying the aqueous coating composition on the friable surface;

(d) curing the aqueous coating composition on the friable surface;

(e) testing the adhesion of the aqueous coating composition to the friable surface;

(f) repeating steps (a) through (e) until the adhesion of the aqueous coating composition to the friable surface is improved.